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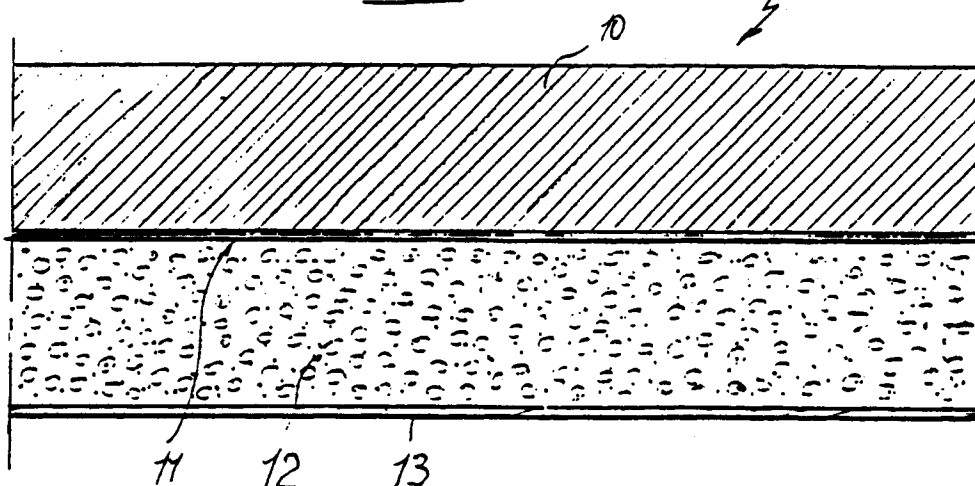
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**15.04.92 Bulletin 92/16**(71) Applicant: **SERVIZI ECOLOGICI S.p.A.**  
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**I-20123 Milano(IT)**(54) **Composite self-sealing membrane, particularly for the waterproofing of construction elements, pits, tanks and the like, and process for the manufacture thereof.**

(57) The membrane includes at least one supporting layer (10) made of a waterproof and elastically yielding material and at least one intermediate granulated bentonite layer (12) which is interposed sandwich-

like between the supporting layer and an external containment layer (13). A layer (11) of adhesive is advantageously interposed between the supporting layer (10) and the intermediate bentonite layer (12).

**Fig. 1****EP 0 449 182 A3**



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## EUROPEAN SEARCH REPORT

Application Number

**EP 91 10 4690**

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X Y A	EP-A-0 274 564 (NIEDERBERG-CHEMIE GMBH) (* the whole document *) - - -	1,4,10 2,3,6 4,7-9,11	B 32 B 5/16 B 32 B 9/04 E 04 B 1/66 E 02 D 31/00
X A	US-A-4 048 373 (CLEM) (* the whole document *) - - -	1,7,8 2-4,6, 9-11	
Y A	EP-A-0 278 419 (NAUE-FASERTECHNIK GMBH&CO) (* page 4, line 42 - page 5, line 6; claims; figures 1,2 *) - - -	3,6 12	
Y A	EP-A-0 059 625 (GEO-MAT INTERNATIONAL, INC.) (* page 4, line 3 - line 17; claims; figure 5 *) - - -	2 1	
A	EP-A-0 164 197 (AMERICAN COLLOID COMPANY) * abstract; claims ** - - -	1	
A	US-A-4 344 722 (BLAIS) * claims ** - - - - -	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 32 B E 04 B E 02 D E 02 B
Place of search		Date of completion of search	Examiner
The Hague		13 February 92	DE JONGE S.J.P.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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P: intermediate document		&: member of the same patent family, corresponding document	
T: theory or principle underlying the invention			